

a) selecting which cylinders of the printing press should be cleaned by accessing the central control system of the printing press, each selected cylinder having an associated wash device.

[a)] b) [the] determining operating parameters of cylinders selected in step (a) [used to determine the optimal wash sequence program for each individual wash device are determined] by accessing the central [printing press] control system of the printing press;

[b)] c) [in each instance, the] by accessing the central control system, determining an optimal wash sequence for each selected cylinder based on the operating parameters [programs for each individual wash device are determined automatically]; and

[c)] d) [each individual] by accessing the central control system, controlling the wash [device is controlled, in each instance, by] devices associated with the selected cylinders based on the [appropriate] optimal wash sequence [program].

3. (ONCE AMENDED) A procedure as defined in Claim 1, [characterized in that determination of] further comprising the step of providing a set of wash sequences, each wash sequence of the set being adapted to a different combination of operating parameters, wherein the optimal wash sequence [program] for each [individual wash device] selected cylinder is determined by [selecting] matching the determined operating parameters with a wash sequence of the set of wash sequences, the matching being done by searching for the closest approximation [from a number of fixed, pre-set sets of wash sequence programs] of the determined operating parameters.

5. (ONCE AMENDED) A procedure as defined in Claim 1, [characterized in that] wherein the speed of rotation of the selected cylinders [cylinder that is to be cleaned by the wash process] is [taken into account as] an operating parameter [when determining the optimal wash sequence program].

6. (ONCE AMENDED) A procedure as defined in Claim 1, [characterized in that] wherein the time of [the] a wash process and [optionally the length of] the time interval since the last wash process [is taken into account as an] are operating parameters [parameter when determining the optimal wash sequence program].

7. (ONCE AMENDED) A procedure as defined in Claim 1, [characterized in that] wherein whether or not there is contact between [the] a material to be imprinted and [a] each selected cylinder during [the cleaning procedure] a wash process is [taken into account as] an operating parameter [when determining the optimal wash sequence program].

8. (ONCE AMENDED) A procedure as defined in Claim [1] 7, [characterized in that] wherein when there is contact between the [paper] material to be imprinted and [a] the selected cylinder, [information as to] whether [the] a face side or [the] a reversed side of the material is [touching] contacting the selected cylinder is [taken into account as] an operating parameter [when determining the optimal wash sequence program].

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9. (ONCE AMENDED) A procedure as defined in Claim 1, [characterized in that] wherein the [paper] type of material to be imprinted is [taken into account as] an operating parameter [when determining the optimal wash sequence program].

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10. (ONCE AMENDED) A procedure as defined in Claim 1, [characterized in that] wherein ink type is [taken into account as] an operating parameter [when determining the optimal wash sequence program].

11. (ONCE AMENDED) A procedure as defined in Claim 1, [characterized in that] wherein the relative position of the selected cylinder [in the printing sequence] with respect to a beginning and an end of a printing process is [taken into account as] an operating parameter [when determining the optimal wash sequence program].

12. (ONCE AMENDED) A procedure as defined in Claim 1, [characterized in that] wherein a direction of rotation of the selected cylinder is [taken into account as] an operating parameter [when determining the optimal wash sequence program].

13. (ONCE AMENDED) A procedure as defined in Claim 1, [characterized in that] wherein the quantity of dampening water used during printing is [taken into account as] an operating parameter [when determining the optimal wash sequence program].

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14. (ONCE AMENDED) A procedure as defined in Claim 1, [characterized in that in] wherein the [case of] printing press is a web-type printing [presses] press, and, for each selected cylinder contacting the material to be imprinted, the angle of [wrap-around] wrap of the [web of] material [that is to be imprinted] around the selected cylinder is [taken into account as] an operating parameter [when determining the optimal wash sequence program].

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15. (ONCE AMENDED) A procedure as defined in Claim [1] 14, [characterized in that] wherein the angle of wrap [wrap-around of the web of material that is to be imprinted] is determined [by way of] based on web routing data.

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(ONCE AMENDED) A procedure as defined in Claim 1, wherein:
the printing press is a web type printing press,
for each selected cylinder contacting the material to be imprinted, it is determined which of three classifications describes the angle of wrap of material around the selected cylinder,

the three classifications are [characterized in that three ranges of wrap-around angle for the material to be imprinted are detected, namely: a)] 0 degrees, [; b) up to approximately] greater than 0 degrees and less than or equal to 5 degrees [;] and [c)] more [that] than 5 degrees, and

one of the three classifications is used as an operating parameter.

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17. (ONCE AMENDED) A procedure as defined in Claim 1, [characterized in that the case of] wherein at least one of the selected cylinders is a rubber-blanket cylinder, and information as to whether [this] the rubber-blanket cylinder is involved in ink distribution during [the] a printing process is [taken into account as] an operating parameter [when determining the optimal wash sequence program].

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18. (ONCE AMENDED) A procedure as defined in Claim 1, [characterized in that] wherein, for each selected cylinder which is in contact with material to be imprinted, information as to whether the [cylinder that is to be cleaned is in contact with] material has already been imprinted or has not yet been [non-imprinted material that is to be] imprinted [the printing process] is [taken into account as] an operating parameter [when determining the optimal wash sequence program].

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(ONCE AMENDED) A procedure as defined in Claim 1, [characterized in that] wherein for each selected cylinder, the optimal wash sequence includes a correct time for starting each wash process [is determined] and [thereafter each] the wash devices are controlled in step (d) to start [process is started automatically] at [this] the correct time or at a [the] next possible time.

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20. (ONCE AMENDED) A procedure as defined in Claim [1] 3, characterized in that the wash sequences of the set of wash sequences [programs that have been established can be] are checked and corrected manually from the central [printing press] control system.

Please ADD new claim 22 as follows:

Rule 1.126
21. A procedure as defined in any one of the preceding claims, wherein the printing press is a web-type printing press used for imprinting a web of material traveling from a beginning to an end of a printing process, and wherein a guide roller, which is not a selected cylinder, is to be cleaned, further comprising the steps of:

(e) determining which selected cylinder is the first selected cylinder to precede the guide roller to be cleaned, towards the beginning of the printing process;

(f) controlling the wash device associated with the selected cylinder determined in step (e) to dampen the material; and

(g) causing slippage between the guide roller to be cleaned and the material by braking or rotationally driving the guide roller.--

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22. A procedure as defined in claim 21, wherein step (e) determines which selected cylinder precedes the guide roller to be cleaned for each side of the web and wherein step (g) causes breaking by manually breaking or breaking with a device.--
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~~23~~. A procedure as defined in claim 1, wherein a quantity of washing agent is controlled in step d).--

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Sub C3
~~24~~. A procedure for fully automatic cylinder cleaning in a printing press with a central control system, comprising the steps of:

- a) selecting which cylinders of the printing press should be cleaned by accessing the central control system, each selected cylinder having an associated wash device, at least one of the selected cylinders being in contact with a material to be imprinted;
- b) determining operating parameters of cylinders selected in step (a) by accessing the central control system of the printing press;
- c) by accessing the central control system, determining an optimal wash sequence for each selected cylinder based on the operating parameters; and
- d) by accessing the central control system, controlling the wash devices associated with the selected cylinders based on the optimal wash sequence.

REMARKS

In accordance with the foregoing, the specification, claims 1, 3, 5-20 have been amended, claims 2 and 4 have been cancelled and new claims 21-24 have been added. Claims 1, 3, 5-20 and 21-24 are pending and under consideration. These changes are made to conform the present continuation application with the parent application. It should be noted that the disapproved drawing changes have not again been requested.

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